

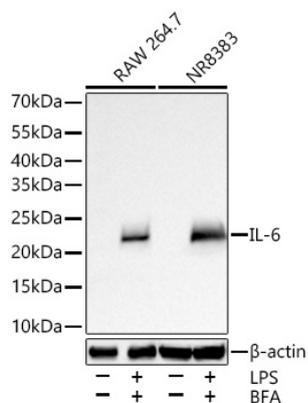


Product name:	IL-6 Rabbit Polyclonal Antibody
Cat number:	ABE4078
Conjugate:	Unconjugated
Host:	Rabbit
Size:	100 ug
Synonyms:	IL6; lfnb2
Concentration:	1mg/ml
Isotype:	IgG
Immunogen:	Recombinant protein. This information is considered to be commercially sensitive.
Reactivity:	Mouse,Rat
Applications:	WB 1:1000 - 1:5000 IP 0.5 µg-4 µg antibody for 900 µg-1100 µg extracts of whole cells IF/ICC 1:200 - 1:800 ELISA
Molecular Weight:	24 kDa
Purification:	Affinity purification
Background:	Enables cytokine activity and interleukin-6 receptor binding activity. Involved in several processes, including cellular response to cytokine stimulus; positive regulation of cell communication; and positive regulation of metabolic process. Located in extracellular space. Used to study several diseases, including acute necrotizing pancreatitis; disseminated intravascular coagulation; hypertension (multiple); impotence; and steatotic liver disease. Biomarker of several diseases, including acute necrotizing pancreatitis; artery disease (multiple); auditory system disease (multiple); gastrointestinal system cancer (multiple); and lung disease (multiple). Human ortholog(s) of this gene implicated in several diseases, including autoimmune disease (multiple); eye disease (multiple); gastrointestinal system cancer (multiple); glucose metabolism disease (multiple); and periodontal disease (multiple). Orthologous to human IL6 (interleukin 6).
Form:	liquid
Buffer:	PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.
Storage:	Store at -20°C. Avoid freeze / thaw cycles.

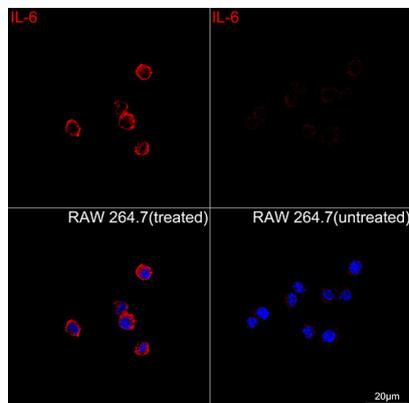
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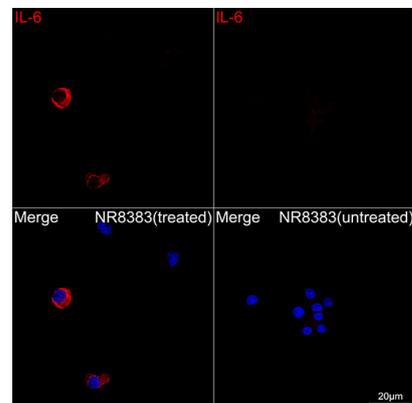
Web-site: <https://immunologicalsciences.com> - E-mail: info@immunologicalsciences.com



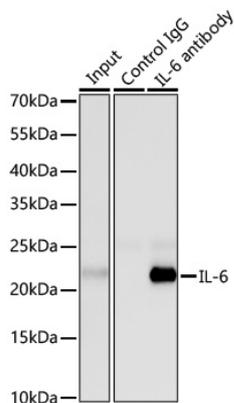
Western blot analysis of various lysates using IL-6 Rabbit PAb at 1:5000 dilution incubated overnight at 4°C. RAW 264.7 cells and NR8383 cells were treated with LPS (1 µg/mL) and BFA (300 ng/mL) for 8 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 30 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL West Pico Plus. Exposure time: 45 s.



Confocal imaging of RAW 264.7 cells (treated with LPS and BFA) and RAW 264.7 cells (untreated) using IL-6 Rabbit PAb (dilution 1:200) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of NR8383 cells (treated with LPS and BFA) and NR8383 cells (untreated) using IL-6 Rabbit pAb , dilution 1:200) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



Immunoprecipitation of IL-6 from 1000 μ g extracts of NR8383 cells treated with LPS (100 ng/ml, 24 h) and BFA (1 μ g/ml, 6 h) was performed using 1 μ g of IL-6 Rabbit PAb. Rabbit Control IgG was used to precipitate the Control IgG sample. IP samples were eluted with 1x reducing Laemmli Buffer. The Input lane represents 10% of the total input.

Western blot analysis of immunoprecipitates was conducted using IL-6 Rabbit PAb at a dilution of 1:10000.

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